

Title (en)

BALLOON IMAGING CATHETER

Title (de)

BALLONBILDGEBUNGSKATHETER

Title (fr)

CATHETER D'IMAGERIE A BALLONNET

Publication

**EP 1973466 B1 20210106 (EN)**

Application

**EP 07718117 A 20070119**

Priority

- US 2007060787 W 20070119
- US 76100406 P 20060119

Abstract (en)

[origin: WO2007084995A2] Arrangements, apparatus, systems and systems are provided for obtaining data for at least one portion within at least one luminal or hollow sample. The arrangement, system or apparatus can be (insertable via at least one of a mouth or a nose of a patient. For example, a first optical arrangement can be configured to transceive at least one electromagnetic (e.g., visible) radiation to and from the portion. A second arrangement may be provided at least partially enclosing the first arrangement. Further, a third arrangement can be configured to be actuated so as to position the first arrangement at a predetermined location within the luminal or hollow sample. The first arrangement may be configured to compensate for at least one aberration (e.g., astigmatism) caused by the second arrangement and/or the third arrangement. The second arrangement can include at least one portion which enables a guiding arrangement to be inserted there through. Another arrangement can be provided which is configured to measure a pressure within the at least one portion. The data may include a position and/or an orientation of the first arrangement with respect to the luminal or hollow sample.

IPC 8 full level

**A61B 5/00** (2006.01); **A61B 1/07** (2006.01)

CPC (source: CN EP US)

**A61B 5/0062** (2013.01 - EP US); **A61B 5/0066** (2013.01 - CN EP US); **A61B 5/0068** (2013.01 - US); **A61B 5/0084** (2013.01 - CN EP US);  
**A61B 5/6852** (2013.01 - CN EP US); **A61B 5/7271** (2013.01 - US); **G06T 7/0012** (2013.01 - CN US); **A61B 2562/0247** (2013.01 - CN);  
**G06T 2207/10056** (2013.01 - US); **G06T 2207/10101** (2013.01 - US)

Citation (examination)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007084995 A2 20070726; WO 2007084995 A3 20080703;** CN 101384212 A 20090311; CN 104257348 A 20150107;  
DK 1973466 T3 20210201; EP 1973466 A2 20081001; EP 1973466 B1 20210106; EP 2289396 A2 20110302; EP 2289396 A3 20110406;  
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**US 2007060787 W 20070119;** CN 200780005949 A 20070119; CN 201410356166 A 20070119; DK 07718117 T 20070119;  
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